

PATENT ABSTRACTS OF JAPAN

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(71)Applicant : MITSUBISHI CHEM IND LTD

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(72)Inventor : OKAWA TAKENAO
SHINTAKU TAKASHI

(54) TONER FOR ELECTROSTATIC CHARGE DEVELOPMENT

(57)Abstract:

PURPOSE: To prevent an offset development and fog, by using a styrene resin, an electric charge imparting agent and low molecular weight PP as toners for heat- roll fixing, and by making the dispersing property better by kneading the PP and the electric imparting agent preliminarily.

CONSTITUTION: An electric charge imparting agent such as a nigrosine dyestuff is heat-kneaded into low mol.wt. propylene PP having 2,000W30,000mol.wt. and this is dispersed well preliminarily. A styrene resin only or a binder resin in which a polyester resin is mixed, an electric charge imparting agent and carbon black are mixed to this substance and further is kneaded and dispersed. Although the PP is not well soluble in the charge imparting agent, they are well dispersed and soluble by dispersing preliminarily. This kneaded toner is pulverized to make in powders having a prescribed size and is added with iron powders to obtain a developer. By fixing with this developer by a heat roll method, an offset development in which the toner is stuck on the heat roll is eliminated and an excellent picture having no fog is obtained.

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